

IN THE CLAIMS

Please amend the claims as follows:

Claim 1 (Currently Amended): ~~Spectrum~~ A spectrum spreading data transmission process in which:

- ~~in sending: a step of sending, including building up symbols to be sent are built up~~
from the data to be transmitted, and ~~are modulated~~ modulating said symbols by spectrum spreading using pseudo-random sequences,

- ~~on reception: the a step of receiving, including correlating received signal is~~
~~correlated~~ with the pseudo-random sequences used in sending, identifying the sent symbols,
~~sent are found and restoring the data are restored,~~
~~this the process being characterized in that comprising:~~

a) in said sending step:

v) building up a set of S successive different pseudo-random sequences ~~is built up~~, in which S is greater than or equal to at least 2,

vi) grouping the symbols to be transmitted ~~are grouped~~ into successive packets each containing S successive symbols,

vii) modulating the S successive symbols ~~of a packet are modulated by one of~~
the set of S successive pseudo-random sequences ~~of the set of sequences~~,

viii) ~~operation iii) is repeated~~ repeating said step of modulating for successive packets ~~of S symbols with a remaining one of the set of S successive pseudo-random~~
sequences, the pseudo-random sequences in the set thus being used repetitively,

b) ~~on reception in~~ said receiving step:

correlating the received signal ~~is correlated~~ with each of the S pseudo-random sequences used in the sending step,

restoring the successive packets of symbols ~~are restored and the corresponding data,~~
~~are restored packets of symbols are restored and the corresponding data are restored.~~

Claim 2 (Currently Amended): ~~Process~~ The process according to claim 1, in which
several packets of S symbols are processed in parallel.

Claim 3 (Currently Amended): ~~Transmitter~~ A transmitter configured to execute the
step of transmitting recited in Claim 1 ~~for embodiment of the process according to claim 1,~~
comprising a general input (10), means (20) ~~of~~ for receiving data to be transmitted and
building up symbols, and means (60) ~~of~~ for modulating ~~these the~~ symbols by spectrum
spreading using pseudo-random sequences, ~~characterized in that it comprises~~ said transmitter
further comprising:

- means (50) ~~of~~ for building up a ~~the~~ set of S successive different pseudo-random
sequences S being an integer greater than or equal to 2,

- means (30, 40) ~~of~~ for grouping symbols to be transmitted into ~~succcessive~~ packets
each containing S successive symbols,

- means (60) ~~of~~ for modulating the successive symbols of a packet by S successive
pseudo-random sequences of the set of sequences, ~~to reiterate~~ an for reiterating this the
modulation for successive packets of symbols, the pseudo-random sequences of the set thus
being used repetitively.

Claim 4 (Currently Amended): ~~Transmitter~~ The transmitter according to claim 3, in
which the means for modulating are adapted ~~process packets of successive symbols in series~~
~~and in parallel~~ several packets of S symbols in parallel.

Claim 5 (Currently Amended): ~~Receiver~~ A receiver configured to execute the step of receiving recited in Claim 1 for embodiment of the process according to claim 1, comprising means ~~of for~~ correlating a reception signal with pseudo-random sequences and ~~of for~~ outputting despread symbols, and means ~~of for recovering~~ restoring the data starting from these said despread symbols, characterized in that it comprises said receiver further comprising:

- means (110₁, ..., 110_M) ~~of for~~ correlating the received signal with S pseudo-random sequences, S being an integer greater than or equal to 2,
- means (120₁, ..., 120_M) (130) (140₁, ..., 140_L) (150₁, ..., 150₂) ~~of for restoring~~ recovering packets of S despread symbols,
- means (170) ~~of for restoring~~ recovering transmitted the corresponding data on a general output (180) from said packets of S despread symbols.

Claim 6 (Currently Amended): ~~Receiver~~ The receiver according to claim 5, in which the means for recovering are adapted to process several packets of successive symbols ~~in series and in parallel.~~